

File

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool SOUTH BLANCO		Formation PICTURED CLIFFS			County RIO ARRIBA	
Initial XX		Annual		Special		Date of Test 10/24/66
Company SOUTHERN UNION PRODUCTION COMPANY			Lease JIGARILLA "J"			Well No. 7
Unit E	Sec. 25 36	Twp. 26 N	Range 5 W	Purchaser SOUTHERN UNION GAS COMPANY		
Casing 5.500	Wt. 15.50	I.D. 4.950	Set at 7609	Perf. 3078	To 3140	
Tubing 1.900	Wt. 2.75	I.D. 1.610	Set at 3133	Perf. 3125	To 3133	
Gas Pay:	From 3078	To 3140	L 3123	G .700	GL 2186	Bar. Press. 12
Producing Through:		Casing	Tubing XX	Type Well - Single - Braden head - G.G. or G.O. Dual DUAL - GAS - GAS		
Date of Completion 10/1/66		Packer 7200		Reservoir Temp.		

OBSERVED DATA

Tested Through:						Type of Taps				
Prover <input type="checkbox"/>		Choke <input checked="" type="checkbox"/>		Meter <input type="checkbox"/>						
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.
1.	2"	3/4"				1073		1071		23 DAYS 3 HOURS
2.						121	65	497		
3.										
4.										
5.										

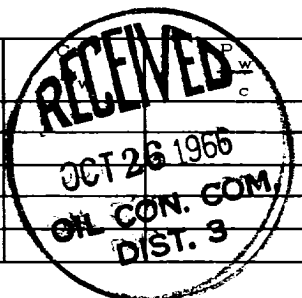
FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15,025 psia
1.	12.3650		133	.9952	.9258	1.015	1538
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas: Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 F_c _____ (1-e^{-S}) _____ P_c **1085** P_c² **1,177,225**

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²
1.	509					259,081	918,144
2.							
3.							
4.							
5.							



ABSOLUTE POTENTIAL: **1,900** MCFPD; n **.85**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED _____

ADDRESS **P.O. Box 808, FARMINGTON, N. Mex.** COMPANY _____

Original signed by **Kenneth E. Roddy**
AGENT AND TITLE **KENNETH E. RODDY, PROD. TECH.**

